

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 2, line 23 and ending on page 3, line 4 with the following amended paragraph:

Herein, the phosphor might include a red phosphor, a green phosphor and a blue phosphor. Each phosphor is spread along the inner wall of each barrier rib 8. For example, the red phosphor might be $(Y, Gd)BO_3:Eu$ phosphor, the green phosphor might be $Zn_2SiO_4:Mn$ (hereinafter referred to as ZSM) phosphor, and the blue phosphor might be $BaMgAl_{10}O_{17}:Eu$.

Please replace the paragraph beginning on page 4, line 11 with the following amended paragraph:

In order to achieve these and other objects of the invention, a green phosphor according to one aspect of the present invention is composed of $Zn_2SiO_4:Mn$ phosphor, $(Y, Gd)BO_3:Tb$ phosphor and $BaAl_{12}O_{19}:Mn$ phosphor, and the mixing rate of $BaAl_{12}O_{19}:Mn$ phosphor to the total weight is 1~25 wt %.

Please replace the paragraph beginning on page 4, line 17 with the following amended paragraph:

A green phosphor according to another aspect of the present invention is composed of $\text{Zn}_2\text{SiO}_4\text{:Mn}$ phosphor, $(\text{Y}, \text{Gd})\text{BO}_3\text{:Tb}$ phosphor and ~~$\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$~~ $\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$ phosphor, and the mixing rate of the $(\text{Y}, \text{Gd})\text{BO}_3\text{:Tb}$ phosphor to the $\text{Zn}_2\text{SiO}_4\text{:Mn}$ phosphor is 25~80 wt %.

Please replace the paragraph beginning on page 4, line 22 with the following amended paragraph:

Herein, the mixing rate of the ~~$\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$~~ $\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$ phosphor to the total weight of the green phosphor is 1~25 wt %.

Please replace the paragraph beginning on page 5, line 1 with the following amended paragraph:

A plasma display panel according to still another aspect of the present invention includes a plurality of electrodes arranged with having a first and a second sustain electrode form a pair on an upper substrate; a plurality of data electrodes arranged on a lower substrate to cross the electrodes; a plurality of barrier ribs arranged in parallel to the data electrodes with a designated gap to form a discharge space between the upper substrate and the lower substrate; and a

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plurality of phosphorus layers having a red phosphorus layer, a green phosphorus layer and a blue phosphorus layer which are formed along the inner wall of the barrier ribs, and wherein the green phosphorus layer is made of $\text{Zn}_2\text{SiO}_4\text{:Mn}$ phosphor, $(\text{Y}, \text{Gd})\text{BO}_3\text{:Tb}$ phosphor and $\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$ phosphor, and the mixing rate of $\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$ phosphor to the total weight is 1~25 wt %.

Please replace the paragraph beginning on page 5, line 16 with the following amended paragraph:

A plasma display panel according to still another aspect of the present invention includes a plurality of electrodes arranged with having a first and a second sustain electrode form a pair on an upper substrate; a plurality of data electrodes arranged on a lower substrate to cross the electrodes; a plurality of barrier ribs arranged in parallel to the data electrodes with a designated gap to form a discharge space between the upper substrate and the lower substrate; and a plurality of phosphorus layers having a red phosphorus layer, a green phosphorus layer and a blue phosphorus layer which are formed along the inner wall of the barrier ribs, and wherein the green phosphorus layer is made of $\text{Zn}_2\text{SiO}_4\text{:Mn}$ phosphor, $(\text{Y}, \text{Gd})\text{BO}_3\text{:Tb}$ phosphor and $\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$ phosphor, and the mixing rate of the $(\text{Y}, \text{Gd})\text{BO}_3\text{:Tb}$ phosphor to the $\text{Zn}_2\text{SiO}_4\text{:Mn}$ phosphor is 25~80 wt %.

Please replace the paragraph beginning on page 6, line 7 with the following amended paragraph:

Herein, the mixing rate of the ~~BaAl₁₂O₁₉:Mn~~ BaAl₁₂O₁₉:Mn phosphor to the total weight of the green phosphorus layer is 1~25 wt %.

Please replace the paragraph beginning on page 6, line 11 with the following amended paragraph:

A green phosphor according to still another aspect of the present invention includes a mixed phosphor composed of a first class phosphor of Zn₂SiO₄:Mn, a second class phosphor of at least one of LaPO₄:Tb, Y₃Al₃(BO₃)₄Tb, ~~Y(Al, Ga)₅O₁₂:Tb~~ Y(Al, Ga)₅O₁₂:Tb, YBO₃:Tb, (Y, Gd)BO₃:Tb, and a third class phosphor of at least one of ~~BaAl₁₂O₁₉:Mn~~ BaAl₁₂O₁₉:Mn, ~~BaAl₁₄O₂₃:Mn~~ BaAl₁₄O₂₃:Mn, Ba(Sr,Ma)AlO:Mn, and the mixing rate of the third class phosphor to the total weight of the mixed phosphor is 1~25 wt %.

Please replace the paragraph beginning on page 6, line 19 with the following amended paragraph:

A green phosphor according to still another aspect of the present invention includes a mixed phosphor composed of a first class phosphor of Zn₂SiO₄:Mn, a second class phosphor of at least one of LaPO₄:Tb, Y₃Al₃(BO₃)₄Tb, ~~Y(Al, Ga)₅O₁₂:Tb~~ Y(Al, Ga)₅O₁₂:Tb, YBO₃:Tb, (Y,

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Gd)BO₃:Tb, and a third class phosphor of at least one of ~~BaAl₁₂O₁₉:Mn~~ BaAl₁₂O₁₉:Mn, ~~BaAl₁₄O₂₃:Mn~~ BaAl₁₄O₂₃:Mn, Ba(Sr,Ma)AlO:Mn, and the mixing rate of the second class phosphor to the first class phosphor is 25~80 wt %.

Please replace the paragraph beginning on page 7, line 7 with the following amended paragraph:

A green phosphor according to still another aspect of the present invention has a BAM group phosphor of at least one of BaAl₁₂O₁₉:Mn, BaAl₁₄O₂₃:Mn, Ba(Sr,Ma)AlO:Mn mixed with at least one type of phosphor that has a different composition from the BAM group phosphor, and the mixing rate of the BAM group phosphor to the total weight is 1~25 wt %.

Please replace the paragraph beginning on page 7, line 14 with the following amended paragraph:

A green phosphor according to still another aspect of the present invention includes a mixed phosphor in which a first class phosphor of Zn₂SiO₄:Mn is mixed with a second class phosphor of at least one of LaPO₄:Tb, Y₃Al₃(BO₃)₄Tb, ~~Y(Al, Ga)₅O₁₂:Tb~~ Y(Al, Ga)₅O₁₂:Tb, YBO₃:Tb, (Y, Gd)BO₃:Tb, and the mixing rate of the second phosphor to the first class phosphor is 25~80 wt %.

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Please replace the paragraph beginning on page 7, line 21 with the following amended paragraph:

Herein, the mixed phosphor further includes a third class phosphor of at least one of ~~BaAl₁₂O₁₉:Mn~~ BaAl₁₂O₁₉:Mn, ~~BaAl₁₄O₂₃:Mn~~ BaAl₁₄O₂₃:Mn, Ba(Sr,Ma)AlO:Mn.

Please replace the paragraph beginning on page 8, line 1 with the following amended paragraph:

A plasma display panel according to still another aspect of the present invention includes a plurality of electrodes arranged with having a first and a second sustain electrode form a pair on an upper substrate; a plurality of data electrodes arranged on a lower substrate to cross the electrodes; a plurality of barrier ribs arranged in parallel to the data electrodes with a designated gap to form a discharge space between the upper substrate and the lower substrate; and a plurality of phosphorus layers having a red phosphorus layer, a green phosphorus layer and a blue phosphorus layer which are formed along the inner wall of the barrier ribs, and wherein the green phosphorus layer is composed of a first class phosphor of Zn₂SiO₄:Mn, a second class phosphor of at least one of LaPO₄:Tb, Y₃Al₃(BO₃)₄Tb, ~~Y(Al, Ga)₅O₁₂:Tb~~ Y(Al, Ga)₅O₁₂:Tb, YBO₃:Tb, (Y, Gd)BO₃:Tb, and a third class phosphor of at least one of ~~BaAl₁₂O₁₉:Mn~~ BaAl₁₂O₁₉:Mn, ~~BaAl₁₄O₂₃:Mn~~ BaAl₁₄O₂₃:Mn, Ba(Sr,Ma)AlO:Mn, and the mixing rate of the third class phosphor to the total weight is 1~25 wt %.

Please replace the paragraph beginning on page 8, line 19 with the following amended paragraph:

A plasma display panel according to still another aspect of the present invention includes a plurality of electrodes arranged with having a first and a second sustain electrode form a pair on an upper substrate; a plurality of data electrodes arranged on a lower substrate to cross the electrodes; a plurality of barrier ribs arranged in parallel to the data electrodes with a designated gap to form a discharge space between the upper substrate and the lower substrate; and a plurality of phosphorus layers having a red phosphorus layer, a green phosphorus layer and a blue phosphorus layer which are formed along the inner wall of the barrier ribs, and wherein the green phosphorus layer is composed of a first class phosphor of $\text{Zn}_2\text{SiO}_4\text{:Mn}$, a second class phosphor of at least one of $\text{LaPO}_4\text{:Tb}$, $\text{Y}_3\text{Al}_3(\text{BO}_3)_4\text{:Tb}$, $\text{Y}(\text{Al}, \text{Ga})_5\text{O}_{12}\text{:Tb}$, $\text{Y}(\text{Al}, \text{Ga})_5\text{O}_{12}\text{:Tb}$, $\text{YBO}_3\text{:Tb}$, $(\text{Y}, \text{Gd})\text{BO}_3\text{:Tb}$, and a third class phosphor of at least one of ~~$\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$~~ , $\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$, ~~$\text{BaAl}_{14}\text{O}_{23}\text{:Mn}$~~ , $\text{BaAl}_{14}\text{O}_{23}\text{:Mn}$, $\text{Ba}(\text{Sr}, \text{Ma})\text{AlO:Mn}$, and the mixing rate of the second class phosphor to the first class phosphor is 25~80 wt %.

Please replace the paragraph beginning on page 10, line 16 with the following amended paragraph:

The present invention, in order to solve the problem of ZSM, a green phosphor, which is generally used, realizes the green phosphor by mixing a first class phosphor, a second class

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phosphor and a third class phosphor, and determines the optimal mixing rate of the mixed phosphor on the basis of the result of experiment. Herein, the first class phosphor is $\text{Zn}_2\text{SiO}_4\text{:Mn}$, the second class phosphor is at least one of $\text{LaPO}_4\text{:Tb}$, $\text{Y}_3\text{Al}_3(\text{BO}_3)_4\text{Tb}$, $\text{Y}(\text{Al}, \text{Ga})_5\text{O}_{12}\text{:Tb}$, $\text{Y}(\text{Al}, \text{Ga})_5\text{O}_{12}\text{:Tb}$, $\text{YBO}_3\text{:Tb}$, $(\text{Y}, \text{Gd})\text{BO}_3\text{:Tb}$, and the third class phosphor is at least one of $\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$, $\text{BaAl}_{12}\text{O}_{19}\text{:Mn}$, $\text{BaAl}_{14}\text{O}_{23}\text{:Mn}$, $\text{BaAl}_{14}\text{O}_{23}\text{:Mn}$, $\text{Ba}(\text{Sr}, \text{Ma})\text{AlO:Mn}$.